

REMARKS

Reconsideration and allowance of the subject application are respectfully requested. By this Amendment, Applicant has added new claims 7-9. Thus, claims 1-9 are now pending in the application. In response to the Office Action, Applicant respectfully submits that the pending claims define patentable subject matter. By this Amendment, Applicant has amended the claims to improve clarity.

Applicant requests that the Examiner acknowledge receipt of the certified copy of the priority document and the claim for foreign priority under 35 U.S.C. § 119 in the next action.

Claims 1-6 are rejected under 35 U.S.C. § 102(b) as being anticipated by Park et al. (U.S. Patent No. 6,385,437; hereafter "Park"). Applicant respectfully traverses the prior art rejection.

The present invention is directed to a method of signaling compressed mode parameters to a mobile station in a CDMA system. The compressed mode parameters are used by a mobile station to perform radio measurements on a frequency other than the frequency in use for a current call (i.e., inter-frequency measurement) and include a transmission gap period, transmission gap distance, a transmission gap length, and/or a pattern duration.

As shown in Figure 3, according to the present invention, the compressed mode parameters (MC) are transmitted, from the network (UTRAN) to the mobile station (UE), together with measurement control parameters (CMR) in a signaling message (M), e.g., a measurement control message. The measurement control parameters include the type of measurements to be performed by the mobile station such as intra-frequency measurement, inter-frequency measurement, and inter-system type measurement.

Park discloses a power control apparatus and method for inter-frequency handoff in CDMA communication system, wherein a compressed mode frame includes a data transmission duration where data is transmitted at a first frequency, and a data transmission-off duration where a second frequency is searched to perform an inter-frequency handoff to the second frequency. The transmission power during the data transmission duration is increased to compensate for the loss of transmission power during the data transmission-off duration. To perform the inter-frequency handoff, a base station and a mobile station exchange information about the transmission-off starting time and transmission-off duration through inter-frequency handoff signaling. The base station sends inter-frequency handoff signaling to the mobile station, and then the mobile station sends an acknowledge (ACK) or negative acknowledge (NACK) in response to the inter-frequency handoff signaling. Alternatively, the mobile station sends the inter-frequency handoff signaling to the base station, and then the base station sends an ACK or NACK in response to the inter-frequency handoff signaling.

Independent claim 1 is directed to “[a] method of signaling compressed mode parameters to a mobile station from a mobile radiocommunications network.” Claim 1 requires “transmitting, from said network to said mobile station, a signaling message containing said compressed mode parameters together with measurement control parameters for radio measurements to be performed by said mobile station.” Independent claims 3 and 5 recite similar limitations.

The Examiner asserts that Park discloses all of the features of the claimed invention citing column 5, lines 53-60 and column 6, lines 1-8. However, Applicant respectfully submits

that Park does not teach or suggest transmitting compressed mode parameters together with measurement control parameters for radio measurements to be performed in a signaling message, as required by the claims. Instead, Park simply discloses transmitting some compressed mode parameters (i.e., the transmission-off starting time and duration) via inter-frequency handoff signaling. That is, Park does not disclose transmitting measurement control parameters along with the compressed mode parameters. Nor does Park provide any teachings with regard to how (in the sense of signaling procedures or protocols) this signaling is performed.

With regard to dependent claims 2, 4 and 6, Applicant respectfully submits that Park does not disclose that the inter-frequency handoff signaling specifies the type of measurements to be performed by the mobile station, e.g., inter-frequency, intra-frequency or inter-system measurements.

Accordingly, Applicant respectfully submits that claims 1-6 should be allowable because the cited reference does not teach or suggest all of the features of the claims.

Lastly, Applicant has added new dependent claims 7-9 which recite that the signaling message is a measurement control message.² Applicant respectfully submits that the cited reference does not teach or suggest this feature of the claimed invention.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

² See, e.g., page 9, lines 29-34 of the present application.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No. 09/859,395

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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